



# भारत का राजपत्र The Gazette of India

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No. 21]

NEW DELHI, SATURDAY, MAY 24, 1969 (JYAISTHA 3, 1891)

इस भाग में निम्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
Separate paging is given to this Part in order that it may be filed as a separate compilation

## भाग III—खण्ड 2

## PART III—SECTION 2

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

Notifications and Notices issued by the Patent Office relating to Patents and Designs

### THE PATENT OFFICE

#### Patents and Designs

Calcutta, the 24th May 1969

#### CORRIGENDA

(1)

In the Gazette of India Part III, Section 2, dated the 15th March 1969, in page 99, column 1 under the letter 'D', insert.

"Dalmia, M. H.—119630".

(2)

In the Gazette of India, Part III, Section 2, dated the 15th February 1969, in page 59, column 1 under the heading "Application for Patents".

for No. 119630. Orissa Cement Limited. Improved fuel composition.

read No. 119630. Orissa Cement Limited and Mridu Hari Dalmia. Improved fuel composition.

#### Application for Patents

The dates shown in crescent brackets are the dated claimed under Section 78A of the Act.

3rd May 1969

121163. Scherico Ltd. Process for the production of anti-biotic w847-A.

121164. Nihon Nohyaku Co., Ltd., Organic phosphoric acid esters and use as pesticides.

121165. Sandoz Ltd. Azo dyes, their production and use.

121166. Hindustan Lever Limited. Dried milk products. (3rd May 1968).

121167. Hindustan Lever Limited. Detergent bar.

121168. Vicons & Daysons Pvt. Ltd. Leader—pvc footwear.

121169. R. T. Ranade, Improved fluorescent tubelight starter.

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(191)

121170. B. C. Shah. A method for teaching words and an apparatus therefor.

121171. Societe De Conditionnement En Aluminium Sca! Gp. A closure cap for containers whose neck is provided with a collar, and an apparatus for making such a cap.

121172. Esb Incorporated. Improvements in or relating to electric batteries.

121173. B. Porepp. Improvements in or relating to the manufacture of sliding-clasp fasteners.

121174. Plasticos Ta-Tay, S. A. Irrigation hose-pipe. (11th December 1968).

121175. The Dunlop Company Limited. Improvements in or relating to pneumatic tyres. (4th May 1968).

121176. G. H. V. Leeuwen. Method of producing anti-microbial compositions.

121177. Humphreys & Glasgow Limited. Process for the manufacture of sulphuric acid. (6th May 1968).

6th May 1969

121178. The General Manager, Alloy Steels Plant, Hindustan Steel Limited. Method of processing of metal articles, more specially metals sheets and plates and composition therefor.

121179. Yamanouchi Pharmaceutical Co., Ltd. Acyl-josamycin.

121180. Compagnie De Saint-Gobain. Improvements in processes for obtaining phenol resin foams.

121181. The Starit Engineering Co., Pvt. Ltd. Manufacturing an improved filtration plant for filtering water.

121182. H. T. Bolakani. A blood therapy magnet.

121183. Agripat S. A. Process for the preparation of new pyrido [1, 2-a]-s-triazinediones and their use as herbicides.

121184. Allied Chemical Corporation. Dimensionally stable fabric articles and a process for the preparation.

121185. Rhone-Poulenc S. A. Vinyl alcohol copolymers and their preparation.
121186. Texas Instruments Incorporated. Electronic calculator. (12th September 1968).
121187. John Wyeth & Brother Limited. Heterocyclic compounds. (7th May 1968).
121188. Identification Corporation. Identification system.
121189. Rohm and Haas Company. Biologically active compounds.
121190. Rohm and Haas Company. Composition for the dessication and defoliation of plants.
121191. Texaco Development Corporation. Gas production.
121192. E. I. du Pont de Nemours and Company. Liquid formulations of 1-(3-4, dichlorophenyl)-3-methoxy-3-methylurea and 2-chloro-N-isopropyl acetanilide.
121193. B. S. Mehta. Tubewell strainers.
121194. R. R. Juneja. Telescopic aerials. [Addition to No. 114260].
121195. Leeson Corporation. Improved metal/air cell.
121196. Leeson Corporation. Improved metal/air battery.
121197. Trico-Folberth Limited. Windscreen wiper blade assemblies. (8th May 1968).
121198. Ciba Limited. Azo dyestuffs containing a sulphonylpyrazole residue and processes for their manufacture and use.
121199. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Shaped articles on the basis of polyvinyl chloride.
121200. B. Samuelsson. Prostanoid acid derivatives, process for preparing them and compositions containing the same.
121201. The British Petroleum Company Limited. Codimerisation of olefins. (8th May 1968).
121202. Merck & Co., Inc. Synthesis of epoxyphosphonates.
121203. Merck & Co., Inc. Preparation of phosphonic acids.
121204. R. W. Hooper. Dynamic mixer and centrifuge combination.
121205. G. R. Mansukhani. Improvements in or relating to flush tanks.
121206. Intermountain Research and Engineering Co., Inc. Apparatus and method for mixing and pumping fluid explosive compositions.
121207. Energy Conversion Devices, Inc. Control system having multiple electrode current controlling device. [Divisional date 5th August 1967].
- 7th May 1969
121208. Sri S. K. Saha. Indinite years wall calendar 'Krishna'.
121209. St. Joseph Lead Company. Improvements in or relating to dispersion strengthened lead.
121210. Hydroprojekt Bratislava. An arrangement for water treatment.
121211. Laevosan-Gesellschaft Chem. Pharm. Industrie Franck & Dr. Freudl. Process for the production of new steroid compounds acting on the heart.
121212. S. S. Pandya. Crop dryer.
121213. S. S. Pandya. Sheller for agricultural produce.
121214. S. S. Pandya. Crop dryers employing oil fired furnaces.
121215. F. Hoffmann-La Roche & Co., Aktiengesellschaft. 19-alkyl-steroids.
121216. Sandoz Ltd. Improving the filterability of water suspended masses. (8th April 1969).
121217. Aktieselskabet Dansk Gaerings-Industri. Novel yeast product and process and apparatus for the preparation thereof. (17th May 1968).
121218. Charles E. Frosst & Co. Thiadiazole products and process.
121219. Charles E. Frosst & Co. Thiadiazole products and process.
121220. Charles E. Frosst & Co. Thiadiazole products and processes.
121221. Institut Français Du Pétrole. Des Carburants Et Lubrifiants. Process for separating microorganisms from a fermentation wort.
121222. Ciba Limited. Process for the manufacture of new unsaturated amines.
121223. R. G. DePenning. Machine with mechanisms placed in displaceable boxes for the manufacturing and delivery of plastic bags of different lengths starting from a tubular sheet.
121224. Montecatini Edison S.p.A. Process for the purification of titanium tetrachloride.
121225. Thomson-Csf. Phase measuring device. (8th May 1968).
121226. The Dunlop Company Limited. Improvements in or relating to the manufacture of pneumatic tyres. (11th May 1968).
121227. A. B. M. Industrial Products Limited., and Karl Kristian Kobs Kroyer. Improvements in or relating to wort production. (15th May 1968).
121228. Stamcarbon N. V. Process for the preparation of a sulphurcurable polymer of ethylene and at least one other  $\alpha$ -alkene with reduced cold flow properties.
121229. United States Steel Corporation. Method of treating tin surfaces.
121230. Roussel Uclaf. Chemical compound.
121231. Lonza Ltd. Process for the production of pure malonic acid dinitrile.
121232. Deutsche Advance Produktion GMBH. Triorgano-lead compounds and process for the preparation thereof.
- 8th May 1969
121233. Mrs. Nargis Samy Engineer and Mr. S. S. Engineer. Methods of producing drinking water.
121234. G. G. Patel. Improvements in or relating to a smoking device.
121235. R. Raghunathan. Sponge safety plate.
121236. Shell Internationale Research Maatschappij N. V. Nitrogen-containing, polyphenylene ethers. (10th May 1968).
121237. Esso Research and Engineering Company. Biosynthesis using methane as source of carbon.
121238. The Dunlop Company Limited. Polymer blends. (18th May 1968).
121239. Coal Industry (Patents) Limited. Method and apparatus for heating liquids. (9th May 1968).
121240. Société Des Forges Et Ateliers Du Creusot. Apparatus for pulverising and drying crude quarried products.
121241. O. A. Becker. Improvements in and relating to the resistance-welding of sheet metal coated with layers. (1st May 1969). [Patent of addition of patents of addition to 114428].
121242. Deutsche Gold-Und Silber-Scheideanstalt Vormals Roessler. Process for the production of amino-ketones containing alkoxy groups II. [Patent of Addition to Patent of Addition to No. 96895].
121243. Didier Werke A. G. Fire proof, burnt, basic or neutral refractory bricks.
121244. Ciba Limited. Bicycloalkanes, process for their manufacture and compositions containing same.
121245. Ciba Limited. Compositions containing synergistic antibiotics.
121246. I. B. Holliday & Company Limited. Filtration apparatus. (9th May 1968).

121247. Scherico Ltd. Novel azetidine compounds and processes for making such compounds.
121248. Supla Etablissement. Slide fasteners.
121249. Aktiebolaget Svenska Kullagerfabriken. A ball nut mechanism.
121250. Orissa Industries Limited. High alumina bricks for blast furnace hearth bottom.
121251. Ciba Limited. New process for the manufacture of 18-cyano-pregnane compounds.
121252. Franz Plasser Bahnbaumaschinen. A method for finding the condition characteristics of rail tracks, and the assessment of rail tracks and the evaluation of the characteristics.
121253. Franz Plasser Bahnbaumaschinen. Method and devices for determining the condition of a rail track.

9th May 1969

121254. Fairdeal Traders. Can opener.
121255. A. S. Lakshmi pathy. An improved automatic water flow regulating device for agricultural purposes.
121256. Farbenfabriken Bayer Aktiengesellschaft. Process for working-up crude liquid vinyl acetate.
121257. National Research Development Corporation. Improvements relating to the fabrication of articles. (14th May 1968).
121258. D. F. Jones. Method of and apparatus for, applying protective coatings to surfaces under water.
121259. FMC Corporation. Strap gripper for strap tensioning tool.
121260. Shell Internationale Research Maatschappij N. V. Process for the preparation of substituted vinyl esters of acids of phosphorus.
121261. Farbenfabriken Bayer Aktiengesellschaft. Process for the production of aliphatic bifunctional sulphonic acid esters.
121262. F. B. Vazquez. Gripping and locking device.
121263. Stamicarbon N. V. Process for the simultaneous preparation of different kinds of urea granules.
121264. Essex International, Inc. Electromagnetic relays. (30th January 1969).
121265. N. V. Philips Gloeilampenfabrieken. Method of providing a sealed joint for joining parts of a vacuum vessel in a vacuum-tight manner, and vacuum vessel manufactured by said method.
121266. N. V. Philips Gloeilampenfabrieken. Method of manufacturing a gauze electrode for building-in in a vidicon camera tube and camera tube provided with a gauze electrode manufactured by means of said method.
121267. Midland-Ross Corporation. Car coupler.
121268. H. A. Lonnqvist. Improvements in or relating to distillers for the production of salt-free water from sea-water.
121269. Werkzeugmaschinenfabrik Gildemeister & Comp., Akt.-Ges. Multiple spindle lathes. (20th February 1969).
121270. Ciba Limited. New process for the manufacture of 18-cyano-pregnane compounds.
121271. S. S. Pandya. Consumption indicators for liquid gas cylinders.
121272. C. Eugen Maier Metallverarbeitung GmbH. Fliers for spinning industry.

#### Alteration of Date

112117. The claim to priority date 2nd September 1966 has been abandoned and the application dated as of 26th August 1967, the date of filing in India.
119450. Ante-dated to 1st August 1967 under Section 5 of the Act.
119527. Ante-dated to 24th July 1967 under Section 5 of the Act.

#### Applications Accepted

Notice is hereby given that all persons interested in opposing the grant of patents on any one of the applications referred to below may at any time within four months of the date of the Gazette of India give notice to the Patent's Office in the prescribed form No. 6 of the Indian Patents and Designs Rules, 1933 of such opposition.

A limited number of printed copies of the specifications in the following list will be available for sale from the Government of India Book Depot 8 Hastings Street, Calcutta, in due course. The price of each specification is Rs. 2 (postage extra, if sent, out of India). Requisition for the supply of printed specifications should be accompanied by the numbers of specifications as shown in the following list.

If required typed copies of the specifications together with copies of drawings, if any, can be supplied by the Patent Office on payment of the necessary charges which may be ascertained on application to the office.

The dates shown in crescent brackets are the dates allowed under Section 78-A of the Act.

107616. J. R. Geigy & G. Stabilization of organic materials. Accepted on 29th April 1969.

*Incorporating 0.005 to 10% by weight of esters of type dipenta erythritol hexa Kls—[3-(3-5-di-tert-butyl-4-hydroxyphenyl) propionate].*

108178. Progress Aktiengesellschaft für Verfahrenstechnik. Process and apparatus for the preparation of soluble products. (8th June 1966). Accepted on 29th April 1969.

*A moisture-free gaseous drying medium is forced through a porous solid material on which the layer of the material to be dried is placed under a pressure which is at least equal to the sum of pressures necessary to overcome the resistance offered to the flow by the porous material plus the hydrostatic pressure of the layer of material to be dried plus the flow pressure of the drying medium through the material being dried.*

111552. G. S. Davar. Self cleaning guide bushing. Accepted on 18th April 1969.

*Comprises a body having a first passage way, slidably receiving the stem a imposed guide bushing, and two passage way.]*

111559. A. H. (Baba) A. M. Khan. A shock absorber as an attachment for the front wheel of a bicycle. Accepted on 18th April 1969.

*The existing fork being turned through 180° degrees, so that the two prongs of the fork face in backward direction and distal ends of which fork support the shock absorber assembly capable of affording necessary suspension for the front wheel of a bicycle.*

111647. Monsanto Company. Phytotoxic compositions comprising N-(1-cyclo-hexen-1-yl) urea. Accepted on 24th April 1969.

*Comprising an adjuvant and as active ingredient, an N-(1-cyclo-hexen-1-yl) urea.*

111697. A. N. Klovov and O. A. Rybinsky. Inductance coil. Accepted on 28th April 1969.

*Comprises a hollow frame, having wires wound thereon a tuner ferrite core and three longitudinal ribs.*

111776. Henkel & Cie. G.m.b.H. Moulding compositions. Accepted on 1st May 1969.

*Comprises a mixture of triglycidyl isocyanurate with a reaction product (A) of triglycidyl isocyanurate with a carboxylic acid anhydride, a mixture of acid anhydride and a reaction product (B) of acid anhydride with triglycidyl isocyanurate or a mixture of reaction product (A) and (B).*

111784. Farnell Instruments Limited. Improvements in or relating to electrical apparatus. (3rd August 1966). Accepted on 1st May 1969.

- Comprises means for comparing the currents carried by each output transistors a control transistor semi-conducting control device.*
111850. Metallgesellschaft Aktiengesellschaft. Process of producing shaped coke. Accepted on 6th May 1969.
- Characterised in that pellets containing cokable constituents are made in a rolling process from fine granular solid carbonaceous matter and, if desired, binders, the pellets are subjected to preliminary drying if desired and are then charged into a devolatilizing furnace, where they are coked and hardened.*
111852. Libbey-Owens-Ford Glass Company. Apparatus for bending glass sheets. Accepted on 7th May 1969.
- Characterised in that at least one of said shaping rails comprising at least two related rails parts arranged end-to-end between said hinge means, means joining adjacent ends of said rail parts, adjustable means for shifting said rails parts relative to each other to change the curvature defined by said shaping surface on said shaping rail, and means for securely locking said shaping rail parts in a fixed position relative to each other after said adjustment.*
112112. Dorr-Aliver Incorporated. Screening centrifuges. Accepted on 6th May 1969.
- Having a rotary centrifugal screening structure provided with an annular open work cage, providing a backing wall for said screen, said cage comprises a set of corrugated elements a set of non-corrugated elements alternating with corrugated elements and means for fixedly interconnecting said non-corrugated elements with corrugated elements.*
112117. T. M. M. (Research) Limited. Apparatus for piecing-up following end breakage or upon starting spinning in the open-end spinning of textile yarns. Accepted on 30th April 1969.
- Comprises means for resuming or commencing fibre feed and means for arranging a yarn end attached to take-up means to follow an extended path between the fibre collecting surface and the take-up means.*
112391. M. D. Lakshminpathy. Semi-automatic container filling machine. Accepted on 1st May 1969.
- Comprising a capacity service tank, the tank having an opening below a spout, a control valve, a link mechanism to aid the closing of the flow through the control valve.*
112434. North American Rockwell Corporation. Method and apparatus for making forgings. Accepted on 6th May 1969.
- Characterised by casting metal in a mold with the metal being cast to engage a support adjacent to the mold, separating the casting from the mold and forging means to cast into a shape that is different from the shape of the original casting.*
112624. Hyogo Prefectural Government. Method of bright tin-lead alloy electroplating. Accepted on 30th April 1969.
- Comprising as essential components stannous and lead salt and a brightening agent.*
112787. J. R. Geigy A. G. Linear elastic polymers. Accepted on 18th April 1969.
- Having an inherent viscosity of at least 0.5 which is formed by a sequence of recurring units of the formula—NH—NH—A—NH—NH—Z— wherein A represents a divalent acyl radical and Z represents carboxy units.*
113041. W. G. Finch and Dr. W. B. McLean. Controlled undersea vessel. Accepted on 6th May 1969.
- An undersea vessel like submarine having an optical control arrangement for operating external devices and provided with a novel transparent spherical personal enclosure inside the vessel to open on an equatorial line so as to possess the greatest possible pressure resistance.*
113066. J. R. Geigy A. G. Production of difficultly water soluble dyestuffs process of dyeing hydrophobic organic fibres therewith and hydrophobic organic fibres so dyed. [Addition to No. 106432]. Accepted on 7th May 1969.
- Coupling a diazonium compound of an amine, such as amino-4-nitro-benzene with a coupling component such as 2-amino-4-(2-methyl-phenylamino)-6-(β-propoxy-ethylamino)-pyrimidine.*
113103. The International Nickel Company, Inc. Stainless steel. [Addition to No. 109753]. Accepted on 7th May 1969.
- Wrought stainless steel having fine grained microstructure comprising ferrite and a phase from the group consisting of austenite and martensite, the steel consisting essentially 18% to 35% CR 2—12% Nickel, not more than .08% Carbon, Vanadium not greater than 1%, titanium 0—1.5%.*
113114. C. Mohan, G. S. Rihal and B. S. Devgun. Improvements in or relating to tractors for working agricultural implements. Accepted on 6th May 1969.
- Mechanism comprising at least a first and second valve dispersed therein, one of the said valves being actuated by a normal control means of said tractor and the other of said valve being capable of actuation by a responsive means of said tractor.*
113115. C. Mohan, G. S. Rihal and B. S. Devgun. A mechanism for the regulation of hydraulic circuits in tractors. Accepted on 6th May 1969.
- Valve mechanism controlling the working of the hydraulic circuit, a single selection and operational control means for providing selective working, a responsive means provided and adapted to receive and actuation movement from the implement through actuation draft and position sensing means.*
113118. Shell Internationale Research Maatschappij N. V. Process for the preparation of alpha olefin block copolymers. Accepted on 7th May 1969.
- Homopolymerizing α-olefin by contact with a catalyst consisting of γ-titanium trichloride and a dialkyl hydrocarboxy aluminum (b) thereafter continuing polymerization by co-polymerizing a mixture of ethylene and our α-olefin and thereafter continuing polymerization by homopolymerizing olefin such as propylene and an α-olefine having 5—12C atoms per molecule.*
113141. Imperial Chemical Industries Limited. Dispersions of polymers. (14th November 1966). Accepted on 9th May 1969.
- Process for making dispersion of particles by dispersing preformed particles of polymer in organic liquid in the presence of a stabiliser comprising in its molecule one component which is solvated by the organic liquid and the other component which is relatively non-solvated and becomes associated with the polymer particles characterised in that the associated component of the stabiliser is under the condition of dispersion, a plastic solid or viscous liquid.*
113211. Farbenfabriken Bayer Aktiengesellschaft. Process for the treatment of optical brightening agents. Accepted on 30th April 1969.
- Process for treatment of optical brightening agents characterised in that brightening agents are sprayed through a unary nozzle in a spray drier at a pressure of about 6 to 25 atmospheres to form hollow bodies.*

113252. Metal Closures Limited. Improved bottle closure. (30th November 1966). Accepted on 6th May 1969.

*Having a thin shell housing a skirt having a cylindrical upper part to be brought into threaded engagement with a thread on the container neck, a lower part, a security band connected to the lower part of the skirt by slit line.*

113474. S. S. Jain. Safety Box. Accepted on 7th May 1969.

*Comprising three legs filled with mercury, contact rings, front handle, front support, side handles, pencil, S. clip.*

113590. Vsesojuzny nauchno-issledovatel'sky i proektnotekhnologicheskij institut ugol'nogo mashinostroyeniya. Cutting tool sharpener. Accepted on 6th May 1969.

*Characterised in that the spindle is mounted in a rotatable sleeve to which is coupled an elastic member made fast on a housing of the machine.*

113809. Imperial Chemical Industries Limited. Explosive charges for seismic prospecting. Accepted on 3rd May 1969.

*Comprises a charge of detonating explosive having two or more initiation points with detonation initiation means arranged in such a way that the detonation shock waves propagating from the initiation points meet within the explosive at two or more points simultaneously.*

114045. Siemens Aktiengesellschaft. Improvements in relating to key switches particularly push button switches for telecommunication system. (1st September 1967). Accepted on 6th May 1969.

*Comprises an axially movable key body, surrounded by a angular body having a permanent magnet surrounded by a magnetic material body.*

114111. Oronzio De Nora Impianti Elettrochimici S. A. S. Method of operating mercury cathode electrolytic cell plant. Accepted on 6th May 1969.

*Comprising flowing a concentrated salt solution into and through the cells, electrolyzing said salt solution in said cells, removing a depleted salt solution from said cells, recycling at least one third of said depleted salt solution back to the cells, and recycling the remainder of the salt solution.*

114326. Uniroyal Englebert France. Apparatus for adjusting a longitudinally moving strip of material relative to a reference plane. Accepted on 1st May 1969.

*A frame, conveying means on it, forming a movable surface supporting a strip, carriage means for contacting the side edges of said strip and adjusting it with reference to a plane.*

114348. Joseph Lucas (Industries) Limited. Contact breaker assemblies. (14th February 1967). Accepted on 1st May 1969.

*Comprising a spring, camfollower, a clip for blade connector, spring connected to ignition coil.*

114475. Pullman Incorporated. Chemical compounds, particularly ammonia, and process for synthesizing the same from gaseous reactant. [Addition to No. 107452]. Accepted on 8th May 1969.

*Comprises introducing fresh synthesis gas into a compressor and compressing it to intermediate pressure, introducing recycle synthesis gas into the compressor and compressing the mixture to a final elevated pressure and passing them without separation of the solid compound therefrom to a reaction zone where a portion react withdrawing the partially reacted gases and separating the said compound therefrom and passing the remaining gas as recycle synthesis gas to the compressor.*

114658. Konstruktor'skoe bjuro koksokhimicheskogo mashinostroyeniya instituta "Giproskox". Installation for loading charge from coal bin hoppers into coal-charging cars. Accepted on 6th May 1969.

*Installation for loading charge from coal bin hoppers into coal charging cars and for subsequent introduction of said charge to coke oven.*

114847. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the manufacture of phenyl esters of mixtures of phenyl esters and phenol from benzene. Accepted on 3rd May 1969.

*Process for the manufacture of phenyl esters or mixtures of phenyl esters and phenol from benzene which comprises reacting a mixture of benzene, a saturated aliphatic carboxylic acid, and molecular oxygen in the gaseous phase in the presence of at least one compound of a noble metal of group VIII of the periodic table.*

115091. Western Electric Company, Incorporated. Methods of deep drawing solid plastic materials. (28th August 1967). Accepted on 7th May 1969.

*Subjecting a peripheral portion of the blank to high hydrostatic pressure and extruding and deep drawing at least part of the peripheral portion.*

115104. British Insulated Callender's Cables Limited. Improvements in or relating to telecommunication cables. (23rd March 1967). Accepted on 6th May 1969.

*Comprising a multiplicity of plastics insulated conductors forming a core enclosed with in a sheath of plastics material, the interstices between the individual conductors of the core and between the core and the sheath being with petroleum jelly, a separating layer is present between the core and the sheath.*

115122. The Dunlop Company Limited. Improvements in or relating to pneumatic tyres. (28th March 1967). Accepted on 7th May 1969.

*Comprising a tread provided with a plurality of traction bars each extending from the mid-circumferential plane of the tyre towards at least one shoulder, the trailing face of each bar having an angle of inclination equal to or less than 10° with respect to radial direction.*

115153. The Metal Box Company of India Limited. Improvements in or relating to material dispensers. Accepted on 7th May 1969.

*Comprising a container made of flexible material, and a cap provided with an aperitured nozzle, characterized in that the dispenser is provided with a like tiles copically adjustable with respect to the nozzle.*

115210. Farbwerke Hoechst Aktiengesellschaft vormals Meister Lucius & Bruning. Process for the preparation of naphthalene-1, 4-dicarboxylic acid. Accepted on 1st May 1969.

*Oxidising 1-methyl-4-acetyl-naphthalene with sodium dichromate at 200°-300°C.*

115256. Kennedy Van Saun Corporation. Method and apparatus for classifying finely-divided solids carried in a gas stream. Accepted on 6th May 1969.

*Causing the stream of solid particles to flow downwardly in an expansion zone toward a discharge outlet for rejected particles, passing plurality of stripping gaseous medium transversely through the stream.*

115340. Ordena Trudovogo Krasnogo Znameni Zavod "Avto-teklo". A continuous lehr for the heat treatment of glass-based materials. Accepted on 6th May 1969.

*For heating the lower part of the heating chamber, combustion chambers are situated below a conveying device covered on their top surfaces by a hearth grating through which the products of combustion enter from the combustion chamber into the heating chamber.*

115351. Hindustan Lever Limited. Alkaline conversion of green tea. Accepted on 1st May 1969.

*Heating water-soluble tea-constituents of tea in presence of water and  $H_2O_2$  at a pH of at least.*

115354. Aktiebolaget Bofors. Track-laying vehicle. Accepted on 1st May 1969.

*A track-laying vehicle or a combat vehicle or tank having a weapon stationarily mounted in the chassis of the vehicle so that the elevation and depression of the weapon is carried out by variation of the positions of the entire vehicle chassis with respect to the ground*

115418. Vandervell Products Limited. Improvements in or relating to methods of electrolytically plating a substrate with indium. Accepted on 3rd May, 1969.

*Solution of an indium compound with a pH from 3 to 11 containing nitrotriacetic acid so that mole ratio of said acid to indium compound is 2:1 or more, and gluconic acid, gluconolactone or a salt of gluconic acid.*

115460. Maschinenfabrik Rieter A. G. Apparatus for, returning a yarn end into an open end spinning machines. (18th August 1967). Accepted on 3rd May 1969.

*Comprising the steps of doffing a yarn from the fibre collecting surface to a spooling station, simultaneously enlarging the route of doffed yarn between the fibre collecting surface and sporting station, detecting the occurrence of a decrease in the yarn tension in the doffed yarn and decreasing the route of the doffed yarn to return the yarn in response to the decrease.*

115461. Maschinenfabrik Rieter A. G. Method of and apparatus for preventing slipping of a broken yarn end from an open-end spinning machine. (17th August 1967). Accepted on 3rd May 1969.

*Comprising the steps of doffing a yarn through a position in the delivery tube, detecting a subsequent absence of the yarn there and stopping the doffing in response to the detection.*

115463. Maschinenfabrik Rieter A. G. Improvements relating to the back feeding of yarn to spinning machines. (28th September 1967). Accepted on 3rd May 1969.

*Comprising a doffing roller, spooling means for winding the doffed yarn, first means for enlarging the route of the doffed yarn, sensing means positioned in the route for detecting a drop in yarn tension and second means responsive upon detecting the drop in yarn tension for actuating the doffing roller assembly to reverse the doffing of the yarn to back feed the yarn to the fibre collecting surface.*

115464. Maschinenfabrik Rieter A. G. Method and apparatus for cleaning open-end spinning devices. (24th August 1967). Accepted on 3rd May 1969.

*Deposited impurities are removed by a brief intense automatically actuated scouring force from the fibre collector device.*

115672. N. V. Philips Gloeilampenfabrieken. Bearing of a rotatable system. Accepted on 7th May 1969.

*The system comprises one axial bearing and the end of the shaft remote from the bearing is accommodated in a cylindrical recess of a bearing bush, which recess together with the end of the shaft form a radial bearing.*

115797. Yanmar Agricultural Equipment Co., Ltd. Mud-guard for engine. Accepted on 7th May 1969.

*Comprising a plurality of splashboards arranged adjacent the peripheral surface of a fly-wheel of the engine one over another.*

115805. Ordena Trudovogo Krasnogo Znameni Zavod "Avtosteklo". Method for manufacturing of multi-layer glass materials. Accepted on 7th May 1969.

*Multilayer glass goods with a porous layer is produced by subjecting to joint heat-treatment a glass backing with glass powder applied thereto to form a porous layer characterised in that prior to glass powder application the glass backing is shaped in the form of trough.*

115816. Reliure Industrielle S. T. D. A binder for perforated loose leaves. Accepted on 29th April 1969.

*Comprising a profiled support and picots, both of plastic wherein the profiled support having on the inner side at least one longitudinal profile to co-operate with a counter profile of one end of the picots, the other end of the picots having a clipping engagement arrangement.*

115879. Mefina S. A. Sewing machine. Accepted on 7th May 1969.

*Characterized by the combination of two adjusting cams defining respectively the point of engagement between the connecting rod and the slideway and the position of the pivot of the said slideway, so that a same control knob carried by said shaft allows executing both adjusting operations.*

115899. Vsesojuzny Ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'sky institut zheleznodorozhnogo transporta. Automatic coupler. Accepted on 7th May 1969.

*The interaction of the pusher with the lock lift is accomplished through an angular two-arm lever fitted in the body of the automatic coupler.*

115984. Dr. Ing. J. J. Martin and Dipl. Ing. W. J. Martin. Improvements in or relating to grates. Accepted on 6th May 1969.

*Grate for large furnaces with air cooled firebars having shoulders in the region of the front.*

116115. Imperial Chemical Industries Limited. Isomers of 4, 4'-diaminodicyclohexylmethane of increased trans-trans content and salts thereof. (18th March 1968). Accepted on 3rd May 1969.

*Which comprises forming a salt of the 4, 4'-diaminodicyclohexylmethane with a dicarboxylic acid and separating precipitated trans-trans rich salt.*

116149. Gosudarstvenny Nauchno-Issledovatel'sky I Proektny Institut Neftyanogo Mashinostroeniya. Multicylinder pump for liquids. Accepted on 6th May 1969.

*Multi cylinder pump for liquids.*

116304. General Electric Company. Improvements in or relating to lithiding metal compositions. Accepted on 7th May 1969.

*Forming a lithide coating on a metal by forming an electric cell containing the metal composition as cathode, joined through external electrical circuit to a carbon or lithium anode and a fused salt electrolyte compound of lithium fluoride and mixture thereof electrolyte maintained at 500°C controlling the current and interrupting the flow of current after desired thickness is allowed.*

116307. Libbey-Owens-Ford Glass Company. Method of and apparatus for bending and tempering glass sheets. Accepted on 7th May 1969.

*Bending and tempering glass sheets on a mould having a shaping surface, by heating the sheet to softening point of the glass so that sheet sags into engagement with shaping surface characterized by advancing the mould and the heated bent sheet along a horizontal path through a tempering area with trailing edge of shaping surface and bent sheet elevated above the leading edge.*

116387. United States Pipe and Foundry Company. Improvements in or relating to a method and apparatus for rounding pipe. Accepted on 5th May 1969.

*Heating a pipe to 1000 to 1400°F, deflecting the pipe with stress to provide a slight permanent set, moving the stress circumferentially about the pipe to bring it to truer circular shape.*

116509. Joseph Lucas (Industries) Limited. Contact breaker. (25th August 1967). Accepted on 3rd May 1969.

*In which anchoring means for moving contact conveying spring with a plate comprises a tag up-standing from the plate with an insulating and then a conductive member engaging the tag the latter being shaped to receive one end of the spring.*

116981. Hitachi, Ltd. Switching device. Accepted on 6th May 1969.

*Comprising a cylindrical housing having an upper chamber for current limiting resistors and a lower chamber for stationary and movable contacts, the latter being carried by a fan shaped carrier.*

117110. O. J. F. Larsen. A method of producing and protecting deposits of sedimentary material on floors of bodies of water. [Addition to No. 102881]. Accepted on 7th May 1969.

*Comprising desposing of fabricated plane or arched, raised elements to form a flow impeding plane at a distance of the order of 2—100 inches above the floor.*

118451. Gould-National Batteries, Inc., Improved process for forming positive plates for lead acid batteries. Accepted on 3rd May 1969.

*Making a pasty mixture of lead oxide and potassium persulfate by mixing then two substances with water until the lead dioxide is dispersed uniformly throughout the mixture (b) applying the pasty mixture to an electrically conductive supporting plate grid (c) partially drying the pasted grid; and (d) electroforming the paste mixture while the pasted grid is continuously immersed in a sulfuric acid bath.*

118680. Nederlandse Organisatie Voor Toegepast-Natuurwetenschappelijk Onderzoek Ten Behoeve Van Nijverheid, Handel En Verkeer. A method and a mixture for the preparation of an iron melt with a low sulphur content. Accepted on 7th May 1969.

*Comprising adding to the melt a mixture comprising  $\text{Na}_2\text{CO}_3$  and calcium compounds such as  $\text{CaO}$ , and/or  $\text{CaO}$  and a quantity by weight of  $\text{NaCl}$  of at least one-third and at most three times the quantity by weight of  $\text{Na}_2\text{CO}_3$ , while of the total mixture at least one-third consists of calcium compounds.*

119182. O. B. Rasmussen. Extruded sheet material and methods for its production. (29th December 1967). Accepted on 8th May 1969.

*Comprising the steps of extruding a first fluid polymeric material and a second fluid polymeric material in the form of interspersed streams to form a fluid sheet structure in which the second material is only present in the surface layer and subjecting the extruded sheet to a transverse smearing action and subsequently disrupting the continuous structure of the surface layer.*

119450. Henkel & Cie. G.m.b.H. Moulding compositions. [Divisional date 1st August 1967]. Accepted on 1st May 1969.

*Comprised a mixture of triglycidyl isocyanurate with a reaction product (A) of triglycidyl isocyanurate with a carboxylic acid anhydride, a mixture of acid anhydride with a reaction product (B) acid anhydride and triglycidyl isocyanurate or a mixture of reaction product (A) and (B) acid in said moulding composition the triglycidyl isocyanurate is partially replaced by an organic material containing more than one epoxide group per molecule.*

119527. Monsanto Company. N-(1-cyclohexen-1-yl) ureas and process for their preparation. [Divisional date 24th July 1967]. Accepted on 24th April 1969.

*Reacting a N-cyclohexylidene amine with an isocyanate.*

#### Opposition Proceedings

(1)

An opposition has been entered by The Anil Starch Products Ltd. to the grant of a patent on application No. 78507, made by A. E. Staley Manufacturing Company.

(2)

An opposition has been entered by Hindustan Lever Ltd., to the grant of a patent on application No. 109990 made by The Tata Oil Mills Company Limited.

#### Patents Sealed

98991. 99474. 102881. 105534. 105646. 105716. 106181. 106448. 106760. 106962. 107023. 107128. 107235. 107475. 107517. 108000. 108157. 108311. 108663. 108710. 109233. 109271. 109369. 109492. 109524. 109565. 109945. 110378. 110398. 110449. 110509. 110868. 110915. 110947. 111018. 111043. 111053. 111569. 111643. 111667. 111862. 112130. 112240. 112310. 112368. 112425. 112426. 112923. 113086. 113628. 114510.

#### Amendment Proceedings

The amendment proposed by Indian Oxygen Limited in respect of patent application No. 109268 as advertised in the Gazette of India, Part III, Section 2 dated the 18th January 1969 has been allowed.

#### Renewal Fees Paid

51819. 51923. 52009. 52171. 52216. 52347. 54478. 54479. 54480. 54481. 54499. 54580. 54618. 54956. 55852. 57255. 57369. 57392. 57394. 57395. 57441. 57489. 57513. 57535. 57580. 57586. 57587. 57606. 57641. 57642. 57684. 57698. 57920. 57987. 58381. 58716. 59414. 60393. 60402. 60410. 60461. 60531. 60824. 61415. 61573. 64008. 64078. 64115. 64213. 64236. 64240. 64252. 64668. 64948. 66657. 66663. 67430. 67599. 67628. 67688. 67707. 67735. 67875. 67898. 68031. 68059. 68113. 68338. 68567. 68769. 68805. 68918. 69455. 71692. 71706. 71805. 71833. 71848. 71880. 71902. 71911. 71936. 71968. 71989. 71995. 72030. 72060. 72073. 72074. 72075. 72076. 72123. 72157. 72277. 72278. 72363. 72411. 75954. 76169. 76476. 76647. 76823. 76852. 76853. 76869. 76896. 76923. 76982. 76999. 77087. 77154. 77172. 77198. 77205. 77206. 77250. 77403. 77412. 77413. 77417. 77525. 77568. 77581. 77780. 77841. 77855. 78354. 79433. 79677. 79678. 79679. 80611. 81655. 81680. 82061. 82062. 82101. 82123. 82256. 82257. 82312. 82313. 82317. 82374. 82484. 82514. 82528. 82537. 82548. 82565. 82633. 82634. 82635. 82636. 82663. 82713. 82741. 82772. 82780. 82807. 82948. 82952. 82967. 82982. 83044. 83257. 83274. 83275. 83276. 83738. 84147. 84552. 84567. 86379. 86836. 86837. 87388. 87412. 87461. 87493. 87734. 87811. 87828. 87886. 87905. 87912. 87938. 87940. 87948. 88079. 88133. 88134. 88144. 88166. 88219. 88257. 88264. 88307. 88370. 88436. 88500. 88528. 88575. 88586. 88587. 88650. 88654. 88714. 88792. 88805. 88926. 88956. 88961. 88987. 88996. 89033. 89073. 89166. 89431. 89689. 89882. 90029. 90747. 90798. 90840. 91299. 92350. 92404. 92505. 92653. 92818. 93219. 93348. 93574. 93583. 93606. 93631. 93653. 93659. 93684. 93690. 93691. 93692. 93697. 93710. 93750. 93757. 93784. 93785. 93788. 93808. 93819. 93880. 93903. 93939. 93945. 93951. 94006. 94012. 94041. 94042. 94048. 94140. 94141. 94142. 94143. 94144. 94145. 94146. 94147. 94148. 94149. 94150. 94151. 94152. 94153. 94154. 94155. 94156. 94157. 94158. 94163. 94164. 94165. 94166. 94226. 94265. 94325. 94384. 94443. 94656. 95081. 95740. 95869. 96378. 96451. 96452. 96454. 96479. 96480. 96533. 97196. 97625. 99069. 99108. 99190. 99331. 99351. 99370. 99410. 99449. 99454. 99462. 99470. 99471. 99472. 99473. 99488. 99492. 99517.

99544, 99551, 99568, 99621, 99659, 99671, 99682, 99685, 99699, 99713, 99725, 99732, 99791, 99794, 99818, 99829, 99830, 99954, 99974, 99990, 99997, 100025, 100073, 100071, 100076, 100098, 100177, 100211, 100225, 100240, 100265, 100288, 100306, 100351, 100536, 100597, 100760, 100917, 101013, 101136, 101259, 101412, 101764, 102820, 102821, 102822, 102823, 105087, 105159, 105202, 105277, 105348, 105392, 105473, 105532, 105676, 105806, 106070, 108071, 108344.

#### Cessation of Patents

77096, 77098, 77099, 77103, 77111, 77112, 77113, 77122, 77124.

#### Restoration Proceedings

##### (1)

An order has been made on the 26th December 1968, restoring the patent No. 59382 dated as of the 16th January 1957 granted to Nihar Chandra Roy for "improvements relating to a process for the manufacture of salt glazed stone ware pipes".

##### (2)

An order has been made on the 26th January 1968, restoring the patent No. 59383 dated as of the 16th January 1957, granted to Dalmia Cement (Bharat) Limited for "improvements in or relating to the manufacture of heat insulating composition and articles there from".

#### Registration of Designs

The following designs have been registered. They are not open to inspection for a period of two years from the date

of registration except as provided for in Section 50 of the Indian Patents and Designs Act.

The date shown in each entry is the date of registration of the designs including the entry.

The dates shown in crescent brackets are the dates claimed under Section 78-A of the Act.

Class 1. Nos. 135140 to 135145, Elegant Industries Private Limited (A Company registered under the Indian Companies Act), Udyog Bhavan, 250-D, Worli, Bombay 18, (Maharashtra), "Pendant", January 13, 1969.

Class 3. No. 134776, Annapurna Nawn, Indian National, 4/D, Bethune Row, Calcutta-6, West Bengal, India, "Plastic toys, and models", October 31, 1968.

Class 3. Nos. 134809, and 134811, Shrimati Chandrabai Naraindas and Shri Hareesh Naraindas Chotirmall, Indian Nationals, "Ivanhoe", 4th Floor, Backbay Reclamation, Foreshore Road, Bombay-1, State of Maharashtra, India, "Sole for footwear", November 12, 1968.

Class 10. No. 134810, Shrimati Chandrabai Naraindas, and Shri Hareesh Naraindas Chotirmall, Indian Nationals, "Ivanhoe", 4th Floor, Backbay Reclamation, Foreshore Road, Bombay-1, State of Maharashtra, India, "Footwear", November 12, 1968.

Class 13. Nos. 135446 to 135460, 135462 to 135471, Jiyajeerao Cotton Mills Ltd., Indian Company, Birlanagar (Gwalior), "Textile goods", March 15, 1969.

S. VEDARAMAN

Controller General of Patents, Designs and Trade Marks.